

**REMARKS**

The present amendment is responsive to the Office Action mailed October 20, 2004.

Each of the independent claims was rejected under 35 USC §102(b) as being anticipated by Jagt et al. US patent 5,898,543. Reconsideration and withdrawal of these rejections are respectfully requested.

**Independent claims 1, 6, 11 and 15:**

Claims 1, 6, 11 and 15 recite a head stack assembly, a disk drive, a head gimbal assembly and a suspension, respectively, that include:

a hinge, a first surface of the hinge being coupled to the actuator arm;  
a load beam having a first end and a second end, the first end being attached to a second surface of the hinge, the second surface facing away from the first surface;

The hinge, therefore, has a first surface and a second surface that faces away from the first surface. The claim further requires that the first surface of the hinge be coupled to the actuator arm and that the load beam be attached to the second surface of the hinge (that surface of the hinge that faces away from the first surface of the hinge). This configuration is shown, for example, in Figs. 4 and 6 of the present application.

The load beam of Jagt et al. is not configured as required by claims 1, 6, 11 and 15. Indeed, Jagt's load beam is a one-piece integral load beam that includes a rigid actuator mounting portion 18, a spring region 20 and the load beam itself, shown at reference numeral 12. The rigid actuator mounting portion 18 is attached to the base plate 16. In Jagt et al., the same surface of the hinge (18 and 20) is coupled to the base plate 16 (and thereafter to the actuator arm) as is attached to the load beam 12. This also shown in Jagt et al.'s Figs. 3, 4, 5 and 6. Therefore, the load beam assembly of Jagt et al. does not meet the requirements of independent claims 1, 6, 11 and 15. Nothing in Jagt et al., moreover, teaches or suggests a hinge, a first

surface of which is coupled to the actuator arm and a load beam, the first end of which being attached to a second surface of the hinge, with the proviso that the second surface faces away from the first surface. Claims 1, 6, 11 and 15 and their respective dependent claims, therefore, are not anticipated by Jagt et al.

**Independent claims 19, 23, 27 and 32:**

Amended independent claims 19, 23, 27 and 32 recite a suspension, a head gimbal assembly, a head stack assembly and a disk drive, respectively, that include:

a load beam having a first end and a second end, the first end defining an integral hinge portion, the hinge portion defining a radius geometry that includes at least two radii of curvatures configured to lower load beam toward the disk such that the hinge portion defines at least one concave portion and at least one convex portion, a first surface of the hinge portion being coupled to the actuator arm;

To anticipate these claims, therefore, Jagt et al. must teach or show an assembly having a load beam having an integral hinge that defines at least two radii of curvature ... such that the integral hinge portion defines at least one concave portion and at least one convex portion, as shown, for example, in Fig. 7 of the present application. None of the load beams shown or described in Jagt et al. have an integral hinge portion that defines a concave portion and a convex portion. At most, the hinge/load beam of Jagt et al. define a single concave portion, as shown in Figs. 5 and 6 of this reference. Lacking in Jagt et al. is a load beam that includes at least two radii of curvature ... such that the integral hinge portion defines at least one concave portion and at least one convex portion, as claimed.

As none of the structures shown and described in Jagt et al. meet the limitations of claims 19, 23, 27 and 32, reconsideration and withdrawal of the anticipatory rejections applied thereto are respectfully requested.

**Independent claims 37, 42, 47 and 51:**

As amended, claims 37, 42, 47 and 51 recite a head stack assembly, a disk drive, a head gimbal assembly and a suspension, respectively, that include:

a hinge defining a radius geometry, the radius geometry including at least two radii of curvatures such that the hinge defines at least one concave portion and at least one convex portion, the hinge for coupling to the actuator arm;

Similarly, to anticipate these claims, therefore, Jagt et al. must teach or show an assembly having a hinge that defines at least two radii of curvature ... such that the integral hinge portion defines at least one concave portion and at least one convex portion, as shown, for example, in Figs. 5 and 6 of the present application. None of the load beams shown or described in Jagt et al. have a hinge that defines a concave portion and a convex portion. At most, the hinge/load beam of Jagt et al. define a single concave portion, as shown in Figs. 5 and 6 of this reference. Lacking in Jagt et al. is a hinge that includes at least two radii of curvature ... such that the hinge defines at least one concave portion and at least one convex portion, as claimed.

As none of the structures shown and described in Jagt et al. meet the limitations of claims 37, 42, 47 and 51, reconsideration and withdrawal of the anticipatory rejections applied thereto are respectfully requested.

As the rejections of each of the independent claims is deemed to have been overcome, it is not believed necessary to discuss the rejections of the dependent claims, as such rejections are believed to be moot.

Applicant's attorney, therefore, respectfully submits that all claims are allowable and that the present application in condition for an early allowance and passage to issue. If any unresolved issues remain, please contact the undersigned attorney of record at the telephone number indicated below.

No fee is believed to be due with this communication. The Commissioner is authorized to charge any fees which may be required to Deposit Account 23-1209, referencing Docket No. K35A1056.

Respectfully submitted,

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By: 

Alan W. Young  
Attorney for Applicants  
Registration No. 37,970

YOUNG LAW FIRM, P.C.  
4370 Alpine Rd., Ste. 106  
Portola Valley, CA 94028  
Tel.: (650) 851-7210  
Fax: (650) 851-7232

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